

ABSTRACT

In a two-dimensional image display device, speckle noise is reduced by a simple construction. A two-dimensional image display device for displaying an image by projecting coherent light onto a projection plane is provided with at least one coherent light source (1a), (1b), (1c) for outputting coherent light, a polarization state modulator 6 for modulating at least one of a polarization state and a phase of the coherent light emitted from the coherent light source, and a birefringent diffusion plate 7 for spatially varying the phase of the coherent light emitted from the polarization state modulator, wherein the polarization states of light spots in the respective pixels of the image displayed on the projection plane are spatially and temporally varied, thereby forming various speckle patterns.